

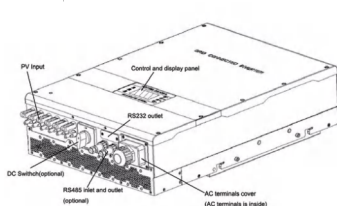
Key Features

- ◆ On Grid string inverter 40-60KW
- ◆ Wide PV input voltage range allows more flexible module selections
- ◆ Transformerless design with higher operation efficiency
- ◆ Easy and affordable to install
- ◆ Lightweight and compact size
- ◆ Firm IP65 inverter enclosure allows outdoor application
- ◆ LCD and LED display
- ◆ Integrated RS485/RS232 serial communications
- ◆ Full data display and communications
- ◆ PC software for remote monitoring and system troubleshooting

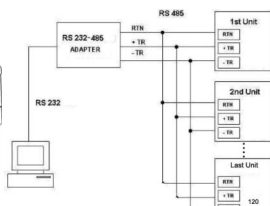


Technical Specifications

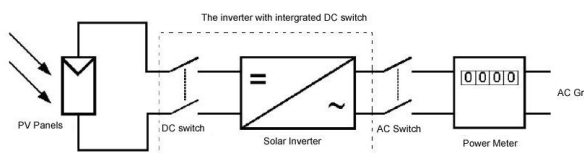
Item	Model (ST)	40KTL	50KTL	60KTL
Input (DC side)	Max. DC Input Power	50000W	56000W	66000W
	Max DC Voltage	1100Vdc		
	Start Voltage	250Vdc		
	MPPT Operating Range	250~850Vdc		
	Number of Inputs	8	10	12
	Number of MPPT	4		
	Max. Input Current	4*19A	19/28/19/28A	4*28A
Output (AC side)	Nominal Output Power	40000W	50000W	60000W
	Max. AC apparent power	46000VA	55000VA	62500VA
	Rated Output Current	60A	75.7A	90A
	Max. Output Current	64A	80A	97A
	Nominal Output Voltage	400Vac		
	Output Voltage Range	360~440Vac		
	Grid Frequency Range	50/60±5Hz		
	Power Factor	Default 1 lagging, adjustable 0.8 (leading)~0.8 (lagging)		
Efficiency	THDI	<3%		
	Max Efficiency	98.10%	98.50%	98.80%
	Euro Efficiency	98.00%	98.10%	98.20%
Efficiency	MPPT Efficiency	99.60%	99.60%	99.60%
General Date	Operation Temperature	-25°C~+60°C		
	Noise	≤45dB (A)		
	Consumption at night	<1W		
	Electrical Isolation	Transformerless		
	Cooling Concept	Forced air cooling		
	Degree of Protection	IP65		
	Communication:RS232/	yes/yes		
	RS485/WIFI/GPRS	opt/opt		
	Dimension (W*D*H mm)	545*270*782		
	Weight (kg)	58	60	62
Remark	AC grid voltage range and frequency range depend on local standards.			



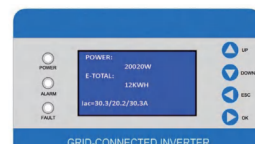
Overview



Multiple daisy-chain connection



The PV System Diagram



Control panel